7/9/31

BURBANK'S 1920

NEW CREATIONS AND SPECIAL NEW SELECTIONS

IN SEEDS

CATALOGED

These seeds are unique. They are ALL grown on my own farms and under my own care, and are a great surprise to those who have grown the common wholesale-grown seeds so generally offered.

It may be noted that I do not offer a complete collection of seeds. NO ONE CAN *who grows* all the various seeds which are generally catalogued.

No Agents Anywhere. All Business Done at Santa Rosa

A GOOD NAME is a treasure for unprincipled dealers to trade on; tons of seeds and thousands of trees and plants of uncertain value are sold over my name throughout America each season. There is no redress.

Burbank's Experiment Farms

LUTHER BURBANK

Santa Rosa, California, U. S. A.

LIBRARY OF THE
HORTICULTURAL SOCIETY OF N. Y.
598 MADISON AVENUE
NEW YORK

SHOUT
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ALWAYS

get your seeds from the originator and grower whenever possible

"How to Judge Novelties, look to their source," and also *if possible purchase direct from the originator,* as many new trees, plants, and seeds are grossly misrepresented by a few dealers who trade on the reputation of reliable firms, often doing a thriving business by selling seeds, trees, and plants in localities where, they very well know that they can not thrive; this, and the substitution of inferior or wholly worthless stock under the name and reputation of good ones has been, and is now being carried on persistently and systematically by several parties who victimize those who deal with them by trading on the reputations of reliable firms. It should be the duty and privilege of every good citizen to aid in exposing and routing all who are obtaining money under these false pretenses. *Counterfeit coins are not counterfeited—it is the genuine ones that are misrepresented.*

In presenting this list of seeds, I wish to thank the friends and customers who have in some cases been purchasers for forty years or more. It is exceedingly pleasing to know that the stock produced in and introduced from this establishment has now become *standard in every country.* No one who knows them questions their value, and perhaps nothing during the past century has more influenced the trend of horticulture, or has tended more to remove horticulture from a small branch of agriculture to a veritable science by itself.

The time and expense involved in the production and introduction of most of these new plants have been great, as those acquainted with the facts are well aware, but it is my aim to place these new varieties in the hands of growers as quickly as possible and at as low prices as are consistent with sound business, in at least, partially repaying for their production and introduction. Everything in this Catalogue will be delivered at your door, transportation free, except in a very few cases where noted.

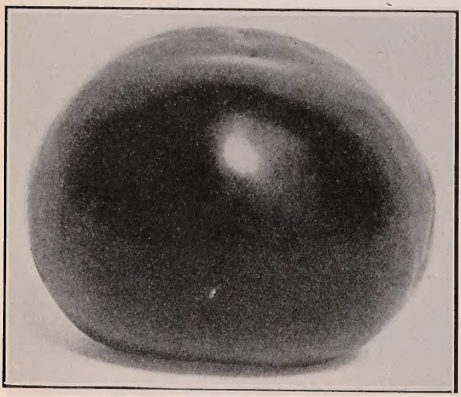
WHERE THE SEEDS ARE GROWN.

BURBANK'S 1920 NEW CREATIONS IN SEEDS

We have this year added a few testimonials as to the value of our productions, TEN THOUSAND PAGES could be thus filled but these few samples will be appreciated

(CULTURAL DIRECTIONS ON PACKETS)

The Earliest Tomato in the World—The "Burbank" By far the *earliest smoothest, largest, most productive,* and *best* of all early tomatoes; resists wilt and other tomato diseases better than most others. The "Burbank" is so much earlier than other tomatoes that from the seed of the tomatoes which ripened here in *June,* a *second crop* has been again and again grown and *ripened* the *same season,* something probably never before known. This extreme earliness means millions of dollars to American tomato growers, as one-half the tomatoes grown in the United States, even in California, are taken by frost instead of by the grower.



BURBANK TOMATO

Fruit, *bright crimson;* thick, solid, heavy, smooth, firm, medium to large in size, *superior quality, unusually heavy* and *continuous bearer throughout the season; best keeper* and *shipper.* The "Burbank" has one other unique and most remarkable quality which will be appreciated by those who like fresh sliced tomatoes for the table. Unlike other tomatoes, *the skin peels freely from the rich, firm flesh.*

Last season American, European and Australian canners, market gardeners and seed growers, having tested its merits the year before, ordered the last ounce of seed so that it could only be offered by the packet, and have now ordered for their 1920 crop. This season I can furnish seed of the *greatly improved 1919 selection* by the pound and hundred pounds.

1919 selection. Packet of 100 seeds, 25c; three for 60c; ten, $1.50. Per ounce, $1.75; pound, $18; ten to 100 pounds, $15 per pound. Larger lots at special rates.

Tomatoes form on the "Burbank" when the plants are very small. It is well to pick off the first cluster of blooms, thus giving the plants a good start for heavy crops. *Plant deep;* set the plants deep in the field or garden for heavy and continuous crop.

I have added a few sample 1919 opinions of growers from Nova Scotia to Texas, from Maine to California, and from sea level to nearly a mile in altitude only to fully verify the fact that the "BURBANK" Tomato is not only the earliest tomato in the world, but also the best.

HUDSON, OHIO, Jan. 7, 1919.—Last year you sent me at Romeo, Mich., a package of the "Burbank" tomato seed which was planted at the same time as the "Earliana" and "Chalks Jewel." The "Burbank" came into bearing *three weeks* before the "Earliana" and *four weeks* before the "Jewel." I had noticed in your note on the "Burbank" tomato that it fruited some four weeks before other varieties on the Pacific Coast, but had no idea that in the latitude of Michigan there could be any such variation. I desire to try them out again this summer. DR. F. N. W.

ROCHESTER, PA., Jan. 25, 1919.—I want to say that I firmly believe that you have named the "Burbank" tomato exactly right. Last year I had seed of my own raising and the seed started in the factory greenhouse the same day with four other varieties and the plants all set in the garden the same day and it was the "earliest," ripening just thirty-seven days before any one of the other varieties. G. W. F.

WATSONVILLE, CALIF., Dec. 29, 1919.—Your tomatoes ripened one month earlier than other varieties and people prefer them to any of the others. C. H. H.

ROSEBURG, ORE., Oct. 29, 1919.—Your "Burbank" earliest tomato that I tested in Rhode Island was the best of one hundred varieties that I tested there. Of 2,000 tomatoes that I planted in Rhode Island this year, 1,900 of them were your earliest, which shows what I think of them. C. H. N.

EDMUNDSTON, NEW BRUNSWICK, April 18, 1919.—Though our season is short I find that your seeds produce the surest crop of ripe tomatoes of any plants in my garden. The "Burbank" tomato is the only one that I have found at all satisfactory in this place. A. L.

ROXBURY, MASS., March 17, 1919.—I raised 14 bushels of tomatoes from one-half packet of your "Burbank" tomato seed last year. F. F.

POMEROY, WASH., Feb. 19, 1919.—I have been raising different varieties of tomatoes for fifty years and the "Burbank" tomato is by far the best tomato I ever raised. I had twenty plants last year planted late and they were full of tomatoes and at fruiting time I did not have ten pounds of tomatoes that did not ripen. T. F. B.

LONDON, ONT., CANADA, Feb. 12, 1919.—Last year several of the gardeners here sent for your "Burbank" tomato seed. I received six plants from them. As for a cropper, the like was never seen in these parts before and one of the gardeners took first prize with them at the gardeners' show. H. O. H.

JACKSON, CAL., Feb. 11, 1919.—The "Burbank" tomato is very prolific and early and what I liked about it was that it was so sweet. MRS. J. F.

LONG ISLAND, NEW YORK.—The earliest, best medium size, most perfect in shape and color, the the least vine, the most fruit, the longest in bearing, the least acid, the sweetest tomato, and in every respect the best for home and market. J. L. C.

LOS ANGELES, CALIF., Oct. 15, 1919.—We have tried your "Burbank," earliest of all tomatoes, and find that it is all you claim for it; we will want to feature it in our 1921 catalogue. Or, would you have enough seed to supply us for this year's catalogue? A. & M. SEED CO.

BATTRICK, MONT., March 20, 1919.—Must mention your "Burbank" tomatoes. We are very highly pleased with them. Last year was our first year to have ripe tomatoes and we were the only ones in the entire community. F. E. A.

BOVINA, TEXAS, March 6, 1919.—Last season I had planted the "Burbank" tomato and another tomato of a reliable seedsman, but yours surpassed the latter in earliness and flavor. L. F. A.

MINNEAPOLIS, MINN., Feb. 16, 1919.—Just a note to let you know what I think of the "Burbank" tomato in Minnesota; the plants that I handled in the ordinary hotbed were a good ten days ahead of anything else I saw or heard of in this locality; those that I potted and started in the house were three weeks ahead of those produced by our local gardeners. R. M. E.

GERMANTOWN, OHIO, March 3, 1919.—I enclose two dollars for more "Burbank" tomato seed—the best tomato ever grown in this section. F. R.

LOMPOC, CALIF., Dec. 28, 1919.—I got some early tomatoes from you a few years ago that were the best I ever saw. MRS. McD.

GRASS VALLEY, CALIF., April 10, 1919.—I would like to get some tomato seed the name of which I do not know, but they are an extra early variety. Had a few plants given me last year and though grown later than others they bore fruit from three to four weeks earlier. J. H. H.

After trying many varieties of tomatoes for sale to the local market, C. H. Hughes of Santa Cruz County has discarded all but the "Burbank" and the "San Jose Canner." The latter is a good, well-meated variety, but the "Burbank" has considerably the best flavor, the most sweetness, and general good qualities of all the varieties tried. Towards the end of the 1919 season he surprised the store people who handle his tomatoes by showing that they had sold twice as many as they did last year.—*Rural Press.*

MAITLAND, NOVA SCOTIA, Oct. 4, 1919.—Your "Burbank" tomato did well here and is the best ever known in these parts, and that is saying a lot considering the climate we have here. W. P. H.

STURGIS, S. D., Feb. 12, 1919.—Your "Burbank" seed which I got from you last year was fine. I believe it is the best tomato I have gotten hold of for this altitude—3460 above sea level. L. H. G.

MOAB, WASH., Feb. 14, 1919.—The tomatoes were a month earlier than I ever raised in my garden in this country; the smoothest and best I ever raised. CAPT. F. H. M.

KINGMAN, ARIZ., Jan. 20, 1919.—We tried the "Burbank" tomato last year and found it the earliest and, taking the whole season through, the most prolific tomato yet tried. H. H. W.

WATSONVILLE, CAL., Nov. 13.—Your tomato ripened a month earlier this season than our other varieties and is of better quality and did not rot as other varieties have done this season. C. H. H.

MAZA, N. D., Sept. 3.—I am happy to relate that your tomatoes are a huge success. They are the wonder, admiration and envy of the whole community, as I am the only one who has attained to ripe tomatoes this year. They are large and of a beautiful shape. I count the "Burbank" tomato the best new thing you have discovered in a number of years. MISS N. J. K.

New Giant White Seeded Sunflower—"Manteca"

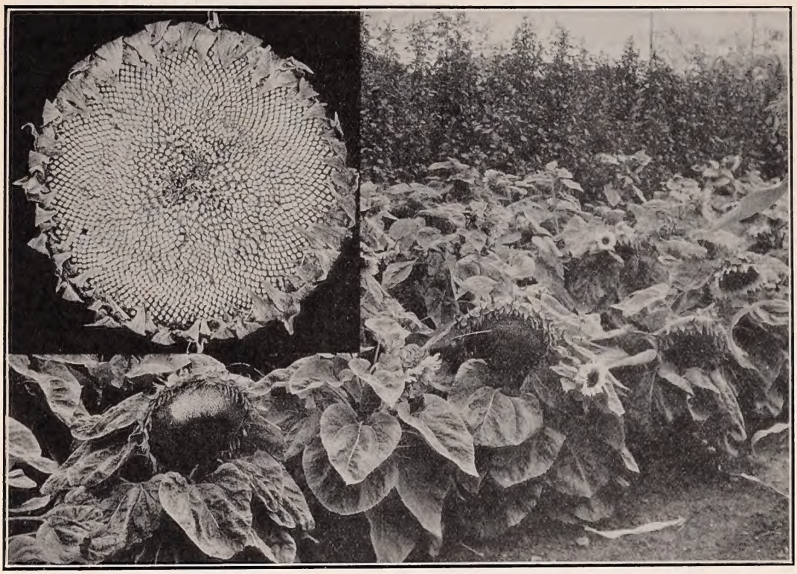
In 1909 sunflower seed was grown in the United States to the amount of 63,677 bushels. Last season there was shipped out of *one* California town by *one* buyer, *1275 Tons,* for which $76,000 was paid

to the growers. Sunflower seed is used for feed and for oil. All sunflower seed has heretofore been black, brown, or striped. "Manteca" was produced on my place several years ago by crossing the well known *Black* seeded *double* California sunflower with the Giant Russian, which has black striped seeds. The result was, after many years of careful selection, *"MANTECA,"* which is a greatly improved *PURE WHITE SEEDED* Giant Russian, which produces enormous *single* heads on short stalks, instead of the usual big and little mongrel heads on tall, unsightly stalks so generally grown. No grower of any other kind can ever compete with this productive Snow White variety. It will transform the business as the Burbank Potato has transformed the potato business.

Packet, 15c; ounce plump seeds, 25c; pound, $1; five pounds, $4.

YANKTON, S. D., July 29, 1919.—You will remember that we purchased from you last year some of the large sunflowers and we wish to state at this time that we certainly have a wonderful crop from the seed we purchased from you. We are about ready to harvest these, and as we have never done any harvesting of sunflowers, we are writing to find out the best manner of harvesting and threshing the seed. G. S. & N. Co.

SANTA ROSA, CAL., Jan. 4, 1920.—The "Manteca" Sunflower produced a head twenty-two inches in diameter. L. B. W.



SUNFLOWER—"NEW PROLIFIC WHITE."
—Photo by Herbert Gleason, Boston.

Another New Sunflower—"Prolific White" "Manteca" (the fat) has proven its value and now I offer a new wonder, *"PROLIFIC WHITE,"* the most remarkable and most useful sunflower ever produced; one which will forever supplant the older kinds and make a new record in the world of horticulture. *"Prolific White,"* like "Manteca," produces great single heads of purest white seeds and while growing only *three feet in height,* yields even more seed per acre and *as much foliage* closely crowded on the big, short stalks; very inconvenient for the birds, but very convenient in a windy country and exceedingly so for cultivation and harvesting. Never before offered. Packet of fifty plump seeds, $2; one hundred seeds, $1.75; five hundred seeds, $8.

ST. LOUIS, MO., July 7, 1919.—We are in the market to buy one to five cars of new crop sunflower seed for September, October shipment. If you will wire us your lowest price upon receipt of this we will be glad to try to trade with you. If you cannot offer it, will you please refer us to anyone who will contract to sell new crop seed? P. L. ZIMMERMAN CO.

The sunflower is almost as valuable as the fabled cocoanut, which produces butterfat, milk, food, fiber, etc., for its tropical owner. The sunflower seed produces an oil unexcelled for

culinary purposes, almost as bland and pure as olive oil. It requires the minimum of culture, and thrives under adverse conditions of soil and climate. In China the sunflower seed like pumpkin seeds have medicinal value; in Russia the moujik eats his roasted sunflower seeds as the boys do peanuts. Some day we may have them "salted" as part of the menu, or sold as a confection.—*Weekly California State News Letter.*

A New Pepper—The "Burbank" From Mexico some ten years ago, I received from my collector a pepper of great size and fine flavor. From this I have developed the *largest pepper ever grown;* fruits nine inches long and four inches through with a thick sweet meat have been grown, and when placed upon exhibition people could not believe they were peppers. At the great Panama-Pacific Exposition or at the recent Land Show no peppers one-half as large were exhibited. The plants are early, very productive, and as easily grown as any other.

Packet, 25c; ounce, $2.

VINELAND, N. J., Oct. 28, 1918.—Your "Burbank" Peppers are great in size, shape and bountiful in production. M. R.

OTTUMWA, IOWA, Jan. 13, 1919.—Your sweet peppers were very productive and I think that four plants must have produced twelve dozen peppers. A. T. G.

PENDLETON, ORE.—The peppers are bigger than pint fruit jars and still dark green and growing larger. These dahlias and peppers are absolutely shock producing, astonishing productions. They make a man wonder what in the name of heaven we are coming to anyhow. H. S. G., M.D.

UKIAH, CAL., Feb. 3, 1919.—Your new pepper was simply grand. E. V. J.

AYER, MASS., Jan. 12, 1920.—Raised some of your peppers two years ago and had great success. Some weighed a pound. MRS. C. S. D.

Pepper—"Anaheim Hot" A productive, long, red, cayenne pepper. Packet, 10c; ounce, 60c.

The New Burbank Field Corn This is the *earliest* and *most productive* of any field corn ever grown in the West. *Very dwarf* compact plants which usually produce two very large long ears, filled with large, firm, yellow kernels. Corn growers who wish for *CORN* not stalks have found that the "Burbank" fills the crib. Per pound, postpaid, 50c; by express, per pound, 40c; ten pounds, $3.

A New Popcorn—"Pure Gold" The best of all, the most productive of all. Three and four long, beautiful, pure golden, well filled, uniform ears to each stalk. "Pure Gold" produces crops rivaling even the best field varieties in yield. The kernels pop pure white, and larger and sweeter than any other kind.

Packet, 10c; ounce, 20c; pound, 50c.

HEMET, CAL.—Your popcorn "Pure Gold" is by *far* the best popcorn ever tried in this district. I started with one of your little packets two years ago and now it would be hard to say what acreage is to be planted another year. C. E. M.

AMBRIDGE, PA., Feb. 24, 1919.—Last year I planted some of your popcorn "Pure Gold" and I was more than pleased with it, and as to the quality, I think it is the finest I ever tasted. My idea is to raise "Pure Gold" popcorn, say 50 acres, to sell to the wholesale popcorn dealers. S. M. A.

The New Bantam Corn The early Bantam Sweet Corn, introduced by W. Atlee Burpee & Company several years ago, has been quite universally known as the best of all early sweet corns. The ears are short and only eight rows to the ear. By most rigid selection for fifteen years I have produced an Early Bantam more uniform in all respects, far more productive, and with *TEN AND TWELVE ROWS of corn to each ear.*

Packet, 20c; ounce, 40c.

I also offer an *improved eight-rowed strain.* Packet, 10c; ounce, 15c; pound, 60c.

TACOMA, WASH., Nov. 9, 1919.—Your very kind letter of November 4 leaves us under obligations to you and would thank you to ship us what you can spare of each variety of Bantam Corn, as therein mentioned. This year we had to buy some Bantam Corn from other seedsmen, and it was frightfully poor, and we have never had much luck with anything but your seed. N. P. Co.

WARREN, IND., Oct. 21, 1919.—My "Golden Bantam Corn" was fine and I sold the first green corn by a month that was to be found in the country. I am truly indebted to you for your wonderful creations. MRS. C. W.

TACOMA, WASH.—Your new Improved Golden Bantam seed corn gave us excellent results this year. N. P. Co.

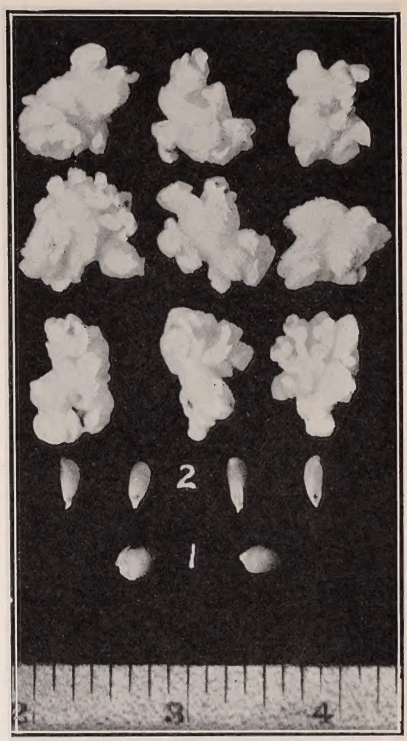
LONG ISLAND, NEW YORK.—A larger ear than the ordinary and consequently a third more valuable. It will sooner or later replace the old variety. J. L. C.

A New Creation in Corn—"Sorghum Pop"

Our common corn Zea Mays, has shown a wonderful adaptability to various soils and climates and also to the various uses for which it is grown, much more so than any other grass or grain. Next to it in variability are the Sorghums, which include the various Kaffir corns, broom corns, and annual sugar canes. These are two very distinct species, one of which is a native of Africa, the other of America, and there is no record of any new variety having been produced by crossing. Six years ago, after numerous trials, a few kernals were produced on an ear of Stowell's Evergreen Sweet Corn, from pollen of the white "goose neck" Kaffir Corn. These precious kernals were carefully planted one by one the next season and all but two were Stowell's Evergreen to all intents and purposes, but two ripened weeks earlier and were almost true Kaffir corns with compact, crooked, drooping "heads," containing many scattering hard, round kernels, also bearing "goose neck" drooping ears, somewhat resembling popcorn. The next season all were planted and a *new corn,* in many respects resembling white rice popcorn, but with more nearly globular kernels, was produced, but the ears were *branched* or "many fingered" and bore kernels, not only on the *outside,* but on the *inside of the ears,* producing an enormous number of kernels to the cluster. As the cobs had to be crushed to obtain the corn, selections were made of short "stubby" ears which bore kernels only on the *outside.*

We now offer this most unique corn, and you will find it early, quite uniform, and one of the best *popping corns.* It pops out pure white, sweet, and with a whirlwind of vehemence. This amazing production is of great interest, not only to growers, but also to botanists.

Packet of 100 seeds, 20c; ounce, 30c; pound, $1.50.



1—COMMON POPCORN.
2—SORGHUM POP—SHOWING GIANT POPPED CORN FROM ITS SMALL KERNELS.

LONSDALE, MINN., Dec. 25, 1918.—The "Sorghum Pop" I ordered of you is really a surprise to me as to how it pops. There is absolutely no hard portion of the kernel left when it is popped. Considering its quality, earliness and productiveness, I think most of the older varieties should be discarded. J. P. V.

MEDINA, OHIO, Oct. 21, 1919.—I congratulate you on your new popcorn. See enclosed photograph. No. 1 is the ordinary popcorn; No. 2 is yours. Many of the grains were so small they would slip through the ordinary cornpopper. The popped-out grains are from your production. I enclose also a proof of what I expect to come out in November "Gleanings." The picture won't be ready before December 1. If I hadn't seen with my own eyes those little grains make that great, big, beautiful popcorn, I would be inclined to say it was preposterous or impossible.
A. I. R.

[From "Gleanings in Bee Culture," November, 1919.]

"BURBANK'S CREATIONS"—SOME OF HIS LATER ONES.

After I returned from Florida I got hold of Burbank's 1919 catalogue and I sent for quite a number of things. The Giant white-seeded sunflower named "Manteca" I have described elsewhere. A new kind of corn which he calls "Sorghum Pop" I am very much pleased with. It is the result of crossing a variety of sorghum with Stowell's Evergreen and he found after testing that it produces *popcorn.* The grains are pearly-white and the ears larger in size than ordinary popcorn; and the funny thing about it is that a great part of the ears are twins—you might call them Siamese twins; and besides the twins we have quite a number of triplets. It pops beautifully and I have been greatly enjoying lately putting the popcorn in hot milk, instead of the "shredded wheat biscuits" that I have been using for months past. And, by the way, one

of those twin ears of popcorn, after it had been popped out would bring quite a little money at five cents a paper bag full. It looks to me that this sorghum popcorn might help largely in reducing the "high cost of living"—that is, if you grow it in your garden and pop it yourself. I am so pleased with the sunflower and the two varieties of corn that I am planning to send a few grains of each to any subscriber to *Gleanings* who will send me an addressed envelope.—*Editor A. I. Root.*

Rainbow Corn The leaves of this most beautiful corn are variegated with bright crimson, yellow, white, green, rose, and bronze stripes. A really wonderful decorative plant, as easily grown as any common corn and is fully equal in beauty to the most expensive greenhouse dracænas. Packet, 10c; ounce, 30c; pound, $1.

Esperance, Australia, April 14, 1919.—I was much pleased with your Rainbow Corn and have noticed many small cobs well filled with what we call maize. Every one who saw it growing and cut admired it. F. J. D.

Improved Papago Corn A corn which produces more fodder and more corn from each kernel than any other. A yellow, wrinkled, corn growing about eight feet high and bearing twelve to twenty succulent stalks with abundant foliage. *Ten to twenty ears from a single kernel* is usual. The best corn for silos and fresh green feed. Plant only *one kernel to each hill* and see what a forest of feed results. Packet, 10c; ounce, 15c; pound, 40c; ten pounds or more by express, 20c per pound.

Carlin Bay, Idaho, Aug. 10, 1919.—There is none of the *Papago* corn that has less than sixteen to twenty stalks from one seed. This is not considered a corn country, but that corn is doing fine. The white seeded sunflowers are a regular forest. E. D.

Berkeley, Cal., Nov. 15, 1919.—Please mail me your catalogue for 1920. The Papago Corn was eminently satisfactory and all that was claimed for it. I am recommending to others. G. S. C.

Improved "Quinoa" (Chenopodium quinoa)

A Delicious New but Ancient Breakfast Food

This annual, easily grown plant bears heavily a highly nutritious, extremely valuable greatly prized grain food—a small white seed produced in profusion on plants about four feet in height, which is harvested much like other grains. Containing as it does about four times as much gluten as the best wheat (40 per cent or more), proves chemically its very great nutritive value. The outer husk also contains about 17 per cent vegetable potash. Belonging, as "Quinoa" does, to the beet-spinach family, the young, tender plants make excellent greens.

This plant has been under cultivation and close observation on my farms for ten years or more and has been greatly improved by selection; a more delicious breakfast food was never offered to America. The plants are grown with the least possible care, like other grains or like corn, and will produce a great weight of seed per acre, thirty to sixty bushels or more, but in some localities is subject to the attack of aphides, which, if they should happen to appear, may be readily exterminated by the usual sprays used for aphis.

By sowing the seeds early around the edges of fields and gardens, or in fields like corn or wheat, a good supply may be raised anywhere in almost any climate. The seed, when dry, is prepared directly for food simply by pounding a few minutes in a sack to remove the outer husk, then it is rinsed and cooked two hours or more, and is also ground and used for bread and cakes. Everybody likes it. Everybody thrives on it. Everybody should raise it.

Burbank Selection White Quinoa Seed, per packet, 20c; three, 50c; six, 80c; ounce, $1.

Lovett, Ga., May 10, 1918.—I planted a little package of your Improved "Quinoa" seed and am surprised at the heavy crop produced. Believe it will more than double the crops of any of the cereals. The plants are simply laden with seed heads which are now rapidly ripening. I feel that the crop from the little package will give me at least half a bushel of clean seed. An acre at this rate would run from seventy to eighty bushels of clean seed. J. P. M.

"One of the new foods is a species of pigweed, which by cultivation has become a valuable seed plant, much prized by the Incas as a food staple. The seed of this plant is said to be fully equal to oatmeal in nutriment, in which case it should be a most valuable acquisition."—"*Good Health*" *Magazine.*

Quinoa—Bolivian Red This variety has not been under careful selection on my farms long enough to become as early and productive as my *Improved White,* which ripens even in Norway and Sweden. It will, however, prove of value in the Southern and Western states. Seed from *earliest* and most productive plants: Packet, 20c; three, 50c; ounce, 75c,

A New Flax—The "Burbank"

The United States of America produces an average of thirty-three million dollars worth of flax *seed* annually. Its uses are too well known and too numerous to mention. Some ten years ago a company of French artists urgently requested me to produce a flax which would make a natural *limpid white oil,* as the clear colors of their pictures were blurred and deadened by the oils which they were obliged to use. From a small sample of seeds from some light brown East Indian flax which they had obtained, and which reverted to the original dark for several years, I have now to offer the most remarkable flax ever produced. *The seeds of the "Burbank" are of nearly double the size of any other, are of a beautiful limpid white, and yield twelve per cent more oil per pound of seed. The oil is more readily extracted and with less waste.* The plants are fully as productive as the ordinary flax. The "Burbank" Flax will be welcomed not only by artists, but by painters in general, manufacturers of oil cloths and linoleums, by druggists, and for home use by everybody. An extremely hardy, vigorous variety.

Per packet of 100 seeds, 25c; ounce, $1.

New Rainbow Chard or Asparagus Beet

By crossing the improved Swiss Chard with the sweet table beets, a more vigorous strain has been produced with enormous leaves and stalks of white, pink, green, scarlet, crimson, orange, and yellow. Both the broad, succulent stalks and leaves exhibit a mingling of wonderful iridescent rainbow shades. The leaves are deeply crimped and pitted like the Savoy cabbage. Nothing in the garden can be so easily raised, and no other vegetable produces such a vast and perpetual supply of delicious and healthful succulent food, as delicious as the best garden spinach.

Packet, 15c; ounce, 25c; pound, $3.

CARLIN BAY, IDAHO, Aug. 18, 1919.—The "Rainbow" Chard is surely wonderful. We have been using it all summer for greens. I never tasted anything so good and it has done so well it is a pleasure to watch it grow. E. D.

SAN FRANCISCO, CAL.—From your Rainbow Chard seed we have been using the greens for my chickens. It has large, tender leaves, which I have been taking from these plants all summer, and they have not yet started to send up seed stalks, which I find the other chard does. If you have seeds of other plants which will produce a large lot of greens for chickens and will not seed quickly, let me know. W. R.

OTTUMWA, IOWA, Jan. 13, 1919.—I want to commend your Swiss Chard Beet for greens. We think it is equal to spinach and it is the only greens that I can state I really like. A. T. G.

MINNEAPOLIS, MINN., Feb. 16, 1919.—We had lost our taste for Swiss Chard from using the ordinary green-leaved kind, but the "Rainbow" variety brought it back two-fold. It did especially well, canned in the Cold Pack method. R. M. E.

Common Swiss Chard Beet

Valuable for poultry, producing a large lot of green feed in the shortest time. Ounce, 10c; pound, $1; per 100 pounds, not prepaid, special rate.

The Sunberry

The Burbank Sunberry, an absolutely new species of Solanum created on my own farms, is an annual berry plant of the easiest culture, thriving even on rather poor soil. The berries are almost exactly like the large, sweet huckleberries of the Eastern states. The plants bear enormous quantities of berries which are highly prized for cooking, canning, etc. Grown and treated same as tomato plants, but with much less care. The Sunberry is especially prized in the cold North and in hot desert countries where other berries do not thrive.

The berries, like some blackberries, should be allowed to ripen two weeks after turning black *if to be eaten raw,* when they become very sweet and delicious, and will then remain in good condition on the plants for two months or more. If to be cooked they may be used in a week or so after turning black. A dozen large packing firms could be profitably employed in canning this fruit for two or three months each season. Will thrive in any climate and on any soil. The berries when picked will keep fresh nearly a month. On rich soil plant 3 x 4 feet apart; on poor soil, 2 x 3 feet. The berries may be rapidly gathered on a cloth by threshing the plants with a light stick. The ordinary production per acre is from *twenty-five to forty thousand pounds.* Packet, 15c; ounce, 40c; pound, $3.

BLOCKSBURG, CAL., Aug. 20, 1919.—We are greatly pleased with the plants grown from your seed, especially your Sunberry. We, and every one who has eaten them in pie and sauce pronounce them the finest fruit we have ever eaten. DR. R. C. W.

SAN GABRIEL, CAL., Sept. 18, 1919.—Your little sunberries are a great success—most delicious pie-fruit I ever ate; identical in flavor and consistency with the Eastern Blueberry and Huckleberry pie. REV. A. D.

CINCINNATI, OHIO, April 21, 1919.—I grew the Sunberry two years ago and found them delicious. F. Y. G.

FORT BRAGG, CAL.—The Sunberries did well and were very prolific. We had some pies that were great. S. A. B.

SACRAMENTO, CAL., Feb. 19, 1919.—Regarding the article in your last catalogue on "Sunberries"; it seems almost too good to be true that they require no irrigation. I have a contract with a firm in Sacramento that operates two restaurants, for the entire crop of Sunberries, so if you think irrigation would ensure a more abundant crop would very much appreciate your opinion. MRS. W. S. H.

A New Hybrid Cucumber—"Iceland" The "Lemon" Cucumber, a native of Central America, is a quite distinct species from the common long green cucumbers so universally grown. It is small and not a good form for slicing, yet the *quality is so superior* that it is grown more and more extensively each season for home use. By crossing this species with a long snow-white cucumber, sent out a few years ago, a new and wholly distinct cucumber has been produced, which surpassss all other cucumbers in crispness and delicacy of flavor and is snow white, oval, medium size, and most astonishingly productive, often three hundred cucumbers to each vine. In the combination of these good qualities it is unequaled by any other cucumber. You will probably have more fun raising and eating these cucumbers than anything else in the garden. Price per packet, 15c; three packets, 30c; ounce, 60c.

SIGNAL MOUNTAIN, TENN.—I have enjoyed the flavor of the "Iceland" cucumber very much. The flavor is more delicate than any other we have ever used. R. C. H.

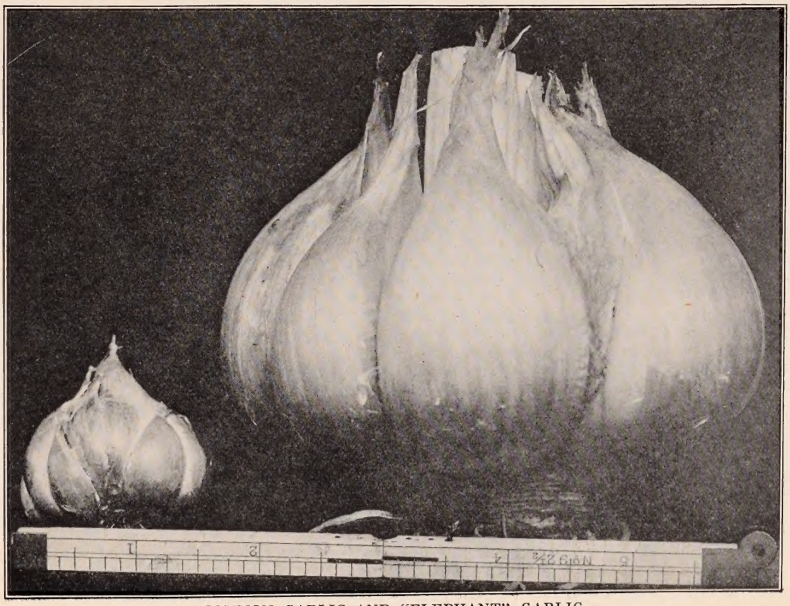
CLOVIS, CAL., Jan. 27, 1919.—Found the cucumbers most delicious. MRS. F. A. O.

SARDIS, B. C., CANADA, Feb. 4, 1919.—Your "Iceland" cucumber had literally hundreds of cucumbers to a vine and were the most delicious we ever tasted. I never in my life saw such vines—the flowers were one brilliant mass. MRS. R. E. C. H.

A New Hybrid Cucumber—"Capital" The new "Capital" Cucumber is exactly like "Iceland" in every respect except *color,* which is bright green. Packet, 15c; three, 30c; ounce, 60c.

EAST EDINGTON, MAINE.—I never saw such delectable cucumbers as I raised from your seeds. F. F. M.

Elephant Garlic The common garlic is one of the vegetables which always has a steady sale each season, and has lately been found to be one of the best prophylactics against many diseases, as well as an appetizing addition to various culinary products. The usual price is about six cents per



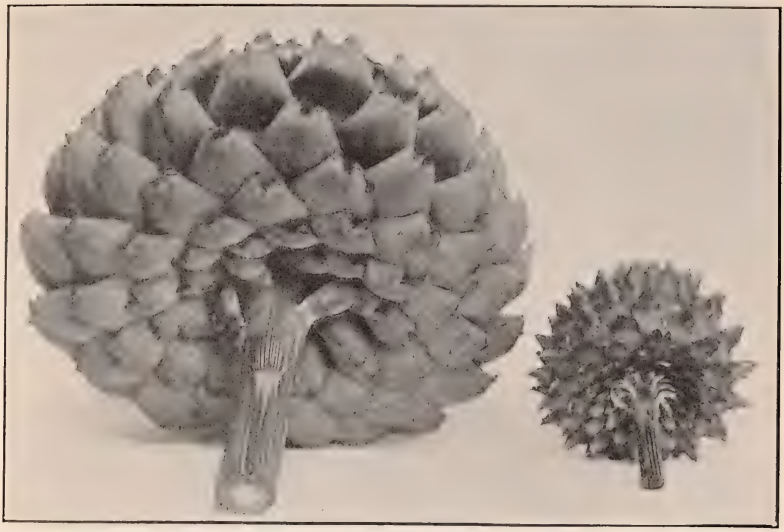
COMMON GARLIC AND "ELEPHANT" GARLIC

pound; this season it has been $1 per pound. "Wonders never cease." I now offer a new garlic, the "Elephant," which is more than *ten times* as productive as any other. A single clove of the "Elephant" is as large as a whole cluster of the ordinary garlic. Astoundingly productive, thoroughly hardy, easily raised, and exactly like the old garlic except in its enormous proportions. Order at once if you expect to get any "Elephants." Last year we were all sold out before the season was half through.

Single clove, 10c; five, 40c; ten, 75c; 100, $6. Enormous round mother-bulbs, 50c each; ten, $4. Considering the size, these prices are not much above those of the common garlic this season.

Artichokes—The New Hybrids

After many years, at great expense, I now can for the first time offer seeds of the Burbank Hybrid Artichokes. They produce heads of enormous size in greatest quantity and of superior quality. These new artichokes often produce on good



BURBANK GIANT HYBRID ARTICHOKE AND COMMON ARTICHOKE.

soil *lavender-blue flowers three to four feet in circumference.* Nothing to equal them has ever been grown. Why grow the ancient kinds? Packet, 25c; three, 60c; ounce, $1.50.

These delicious globe artichokes *can be grown in the cold Northern states* by starting the plants early in pots or boxes in a warm place and transplanting to a good deep rich soil early in the Spring. The *best* plants can then be kept in the cellar for making offsets for the next Spring planting.

A New Asparagus—"Quality"

If any more delicious vegetable than crisp, well grown asparagus has been invented, tell us about it. And yet people who buy it in the markets seldom, if ever, get the best in its best condition. If you possess half a square rod of ground almost anywhere under the sun, you can produce a daily supply of this most healthful vegetable for a family for several months at so little care and expense that you will have good reason to laugh. Thoroughly fertilize the space allotted, spade deeply, add more fertilizer and spade again, making the soil rich, deep, and fine. The bed should be a little raised above the paths when finished. Plant the young plants four inches under the surface, placing them eighteen inches to two feet apart. Do not cut the stalks the first season if you desire best results for the *next fifty years,* during which with very little care, never-failing crops will be produced. Many years ago I produced and introduced a new large, white

asparagus, which excelled in flavor all others known. In the passing years since, even this has been greatly improved and I now for the first time offer this, the best asparagus ever grown. *"Quality"* produces very large, sweet, light-colored stalks which will be a delight to all who grow or use it. You will find that it is "not like other asparagus." Packet, 25c; ounce, $1.50.

A New Sweet Canning Pea—"The Model" Several years ago I was requested by a well known packing house to produce a new pea, as those in use had so many faults that the growers were discouraged. The ideal pea to be produced must be small like the "Petit Pois" of France and of uniform size; must be sweet and the crop must be in best condition all at one time so that the product could be gathered by machinery. It must also be productive. I contracted to make this pea in six years. At the end of three years the ideal pea was ready. "Burbank Peas" can now be obtained of all dealers in first class goods.

Lately I have produced another similar one, but better and more productive, in fact the most productive of all peas grown here. Though not as large as some, its enormous productiveness and other good qualities merit your careful attention.

Packet, 15c; ounce, 30c; pound, $2.

The New Sweet Hubbard Squash When the Hubbard Squash was first introduced it was as sweet as a good sweet potato, but it has been allowed to run wholesale mongrel until it has lost much of this peculiar quality. The New Sweet Hubbard is uniformly as *sweet* as the original when first introduced fifty-six years ago. Very productive and uniform. Packet, 15c; ounce, 30c.

ASHLEY, MONT.—Your squash, tomatoes, sunberries, cucumbers, and chard do much better here than any I have raised before. V. L.

ELMHURST, CAL.—The Hubbard Squash you sent me last Summer certainly turned out fine, and also the White Sunflower seed. My chickens just seem to eat this seed in preference to anything else. I will plant considerable this coming spring. J. B. W.

New Chilian Celery Celery seed is coming more and more into use owing to its fine flavoring qualities. This new perennial celery produces a great amount of seed with exactly the ordinary celery flavor, and can be produced at about one-tenth the expense. The seeds also carry a much larger content of the essential oil of celery. Why grow the old kind for flavoring? Packet, 15c.

Brazilian Perfume (Origanum Sp.?) A new plant lately discovered in Central Brazil; greatly prized by the native Indians who use it for coughs, colds, etc.; one foot high, of surpassing sweet fragrance which lasts for years. May well take its place with lavender, though wholly different. Packet, 20c; three, 50c.

Potato Seed One of the most interesting of all garden pursuits is the growing of Potato seedlings, especially as a new prize potato may be produced by any one, whether skilled or not. The seed which I offer is from the very best English, Scotch, Norwegian, Swedish, German, North and South American varieties. Maine, California, New Mexico, Washington, and Oregon seed is included in this remarkably varied and superior lot of seed. Seedlings of all forms, sizes, qualities, and colors will be obtained. Directions for growing are printed on each packet of seed.

Packet, 15c; two, 25c; ten, $1.

New Giant Chives The common, well-known chives, a small onion-like plant, is hardy even in Alaska and a small plot will supply a family throughout the year. The tops are used for flavoring soups, salads, etc. Their delicate onion flavor is prized by those who know them. The Giant Chive, which lately originated on my grounds, is a wonderful improvement on all those ever before grown. It is also a handsome low border plant.

Packet, 20c; three, 50c; ounce, $2.

Orache or Mountain Spinach Nearly as good and as hardy as the common spinach. About four or five times as productive, and can be grown at one-fourth the care and expense. You will be pleased with this vegetable. Packet, 10c; ounce, 30c.

Canteloupe—"Melting" Productive, large, oval, heavily netted; thick, sweet, delicious flesh. None better. Packet, 15c; three, 30c.

Carrot—"Perfection" The most highly bred in form and quality for table use of any carrot. Early, short, oval, sweet, tender roots.
Packet, 20c; ounce, $1.

Improved Detroit Red Beet Best for home use. Deep red. Keeps in best condition a long time.
Packet, 10c; ounce, 20c; one-fourth pound, 60c.

Big Boston Lettuce Large solid heads. None superior for home growing or market. Packet, 10c; ounce, 25c.

Moss Curled Parsley Reselected extra fine curled.
Packet, 10c.

Mustard—Moss Curled A beautiful and easily grown mustard for early greens. Packet, 10c; ounce, 20c.

New Tomato—"Santa Rosa" Enormous thick, smooth, deep rose colored fruits of superior quality. One of the most productive general crop tomatoes and especially valuable for canners' and home use. Packet, 20c; ounce, $1.

Tomato—"Matchless" A fine old Standard Canning tomato. Uniform, large, rich, cardinal red, productive. Packet, 10c.

New Tomato—"Golden West" A large, smooth, productive golden yellow tomato of superior quality. Packet, 10c.

New Tree Bean A very productive small white bush bean which is becoming a standard for field crops. Yields very heavily even on poor soils. One-fourth pound, 20c; pound, 75c.

Improved Small Pea or Navy Bean None of better quality and few as productive as this new strain.
One-fourth pound, 20c; pound, 75c.

San Jose, Cal.—We are perfectly delighted with your new white beans. They are certainly as fine as any I have ever eaten. I could hardly believe my eyes either as to the size of the bush or the amount of the beans upon it. Judge S. F. L.

Passiflora Edulis The Australian fruiting Passion vine bears delicious, hard-shelled, purple fruits. Greatly prized in Australia and England. Packet, 25c.

Everbearing Strawberry Seed My new everbearing strawberries are unique. Some of these I have worked upon for improvement for twenty years or more. I offer this season seeds of the *very best* of these, such as I plant myself for obtaining new varieties. Best new everbearing varieties, mixed; per packet, 50c; "Evergreen White," per packet, 50c.

THREE MOST WONDERFUL NEW GRAINS

The Best Wheat Ever Produced, a Real "Pearl" Barley, and an Unequaled Rye

Many years and great expense have been involved in their production, and none of them will ever be offered in large lots from my establishment, as other experiments must be carried on to a successful end. The profits are yours, the labor mine. Order now or never.

A New Productive Pearl White Wheat—"Quality" After eleven years of very extensive and expensive work, THIS SEASON I offer a superior, *early, hard white wheat* suited to *all climates* wherever wheat can be grown; a Spring wheat especially adapted also to short seasons, arid soils, and dry climates. A superior white milling wheat which makes the best light, sweet, nutritious bread and pastry.

I have tested the best wheats, barleys, ryes and oats from all over the world side by side with my new grains and on averaging all these I find that my new

wheats will generally yield nearly double those of most of the rest of the world. The best wheats of the world I find are raised in Australia, Italy and Canada; the most inferior wheats are raised in the Argentine Republic and in the United States, Mexico, China and Africa. The very poorest wheats by actual tests were received from select Argentina kinds and from Oklahoma. The wheats of the United States are often very far from uniform, though there are most notable exceptions. If my new wheats were in general use today there should be no deficiency, as the crop through the whole country would be enormously increased in quantity and value without one dollar more of expense for land, labor or fertilizer except the first outlay for the purchase of the improved kinds of seed. This early, hardy "Quality" wheat which I offer this season will not yield as much as some of the coarse macaroni wheats in some warm, dry sections, but for general culture, with its unusual hardiness and extreme earliness, uniformity, superior milling and bread-making qualities, *it stands alone.* It most resembles in all these respects the hard Northern wheat "Prize Marquis," but has a vitreous white berry of quite different appearance and quality and of about the same specific gravity as of granite. The heads are of medium size, tapering to a point, beardless, and on ordinary land stand three and one-half to four feet in height. No trace of disease of any nature so far has ever affected it here.

The chemical analysis and baking test of the new "Quality" wheat given below shows its unusual value.

"QUALITY" WHEAT

CHEMICAL EXAMINATION	
Per cent Moisture	11.60
Per cent Total Protein	14.20
Per cent N. G. Protein	1.42
Per cent G. Protein	12.78
Gliadin No.	69
Glutenin No.	31
Per cent Gliadin	8.32
Per cent Ash	.63

BAKING TEST	
Date baked	9-13-17
Yeast	Fleishmans
Per cent Absorption	62.0
Per cent wet Gluten	38.2
Color of gluten	Very good
Quality of gluten	Very soft
Time to rise	1:49
Time to bake	:25
Expansions	2
Weight of dough	574
Weight of loaf	518
Loss	56
Loaves per barrel	301
Vol. of loaf	2225
Color	Excellent
Texture	Excellent

All Prepaid by Mail or Express

One-half pound	$ 2.75
One pound	5.00
Five pounds	23.00
Ten pounds	45.00

Have also a small lot of "Quantity," a late, heavy yielding wheat at same prices.

HILLSBORO, NEW MEXICO, Nov. 12, 1919.—The Burbank "Quality" wheat yielded a wonderful crop of smutless, plump, hard wheat; the cleanest-looking sacks I ever saw and the best d—— bread I ever ate. If you had never done any other thing, you would live forever. J. A.

HAMEL, WEST AUSTRALIA, Sept. 12, 1919.—Just a line regarding your new "Quality" wheat sown here 26th day of May. It is now fully headed, early, and very promising for culture in the drier parts of this state. G. G. B.

PARKDALE, ORE., Nov. 1, 1919.—On my raw land just cleared up, from one-half pound of your new wheat "Quality," I threshed out twenty-four pounds, or about the rate of seventy-five bushels to the acre. J. R. A.

CALIFORNIA, KY., March 4, 1919.—The one-half pound of "Burbank" wheat I ordered of you in the Fall of 1917 produced 42½ pounds of wheat, which I planted last Fall and it looks fine. That was the most wonderful turnout I ever heard of in this part of the country. E. B. T.

METHVEN, CANTERBURY, N. Z., June 16, 1919.—I received both samples of wheat and oats in good order, also the wonderful head of oats which the farmers here call a marvel, for which I thank you. I sowed about *ten ounces* of the "Wizard" wheat last season and got in return *120 pounds* of good sound wheat. I have planted for this season three acres of "Wizard" wheat; have exhibited the heads of wheat far and wide and they are pronounced wonderful. I got an average of ten heads to every grain I sowed, and every head had 77 grains of good wheat. Three of the heads are on exhibition in the Department of Agriculture at Christchurch. We had wonderful yields of wheat last season here in patches, up to 100 bushels per acre, but at the rate the "Wizard" wheat turned out, it would run about 180 bushels to the acre, which is a record for the world. I have three acres planted this season. A. McK.

OKLAHOMA CITY, OKLA., Oct. 23.—On the 24th and 25th of February, 1919, I planted the "Quality" Wheat in drills. This was a month after the oats were sown in this country and the hard wheat was virtually covering the ground. This wheat was cut from three to seven days before any of the other wheat in the country was cut, showing its extreme earliness over the other wheat, and another proposition that took everybody's eye that had seen it was the strong vigorous straw with a fine foliage and not a sign of rust where all of our wheat this year was covered with rust. I have been offered good prices for part of the wheat but I have put it out in small patches distributed around over the state as far as I possibly can to learn the value of this wonderful grain, and there is no doubt in my mind but that it is the coming wheat for Oklahoma. J. A. S., President Oklahoma Threshermen's Association.

KELOWNA, B. C., July 30, 1919.—I enclose sample of "Quality" Wheat grown from seed supplied by you to my partner and myself last Fall. We got five pounds of this seed and sowed

about three and one-half pounds on something like one-tenth of an acre in the middle of October, 1918. It was cut on the 28th of July and looks like a sixty bushel per acre crop at least. The land is good bottom land, but not what you might call extra good. Last winter was a bad one for wheat. Very little snow and alternate frosts and thaws. Twice the leaf disappeared altogether. It is marvelous how it stooled out. We counted several stools with twenty-three straws from one seed. Nowhere could we find a stool with less than eight, and the average would be from twelve to fifteen. We would be obliged to you for letting us know what you think of the sample. Please send your catalogue of new wheats as soon as ready. If you have anything better than "Quality" we would like to see it. J. C. B. H.

Clarksburg, W. Va., June 24, 1919.—Notwithstanding hailstorm and English sparrows the wheat bought of you promises a better crop than any winter wheat I have before seen. E. G. S.

Granada, Cal., June 14, 1919.—It does me good to see what a wonderful growth the wheat which I bought from you in August, 1917, has made. I planted it after corn as you advised and all of those who have seen it say it is the best they have ever seen. Everything I raised from your grounds has grown well. O. J.

Dunlap, Iowa, August 5, 1919.—Enclosed please find $23 in exchange for five pounds of your "Quality" Wheat. I want to get a winter wheat of your breeding such as I saw on Mr. W. L. V.'s farm at Moline the last of May. It was the best wheat that I ever saw growing. Not only that, but very few blighted heads. Your "Quality" Wheat certainly has them all sitting in the back row when it comes to milling, quality and yield. M. B. B.

Marshall, Texas, June 1, 1919.—On May 24th I harvested a nice little crop of "Quality" Wheat planted in checks 6 inches by 10 inches December 1, 1918, from pound purchased of you. It seems to mature ahead of the rust, wheat's great enemy here, and is exciting considerable local interest. * * * Such success as I will owe to your name I am willing to pay you a just royalty for, but your wheats, Mr. Burbank, commend themselves. B. L.

Las Cruces, N. M., June 1, 1919.—In 1917 I purchased five pounds of your "Super" Wheat, and from three pounds harvested 360 pounds of seed. About November 15th we planted seven acres, forty pounds to the acre. Part of the land was in very poor condition from the heavy sod of water grass, and will not yield more than 30 bushels, but the better land will yield sixty bushels or more if it matures. Many visit here every day and it is attracting a great deal of attention throughout the valley. The Project manager was here yesterday and pronounced this the best field of wheat he had seen in his life and will return soon to take pictures of it.
Mrs. W. H. P.

A New Barley—"Pearl" There need be no longer the old complaint of "black barley bread." "Pearl" is an improved, beardless, hulless, white barley of unusual yielding qualities, bearing absolutely uniform, large, fat, pearly, white grain, threshing out clean like the best wheat. Growers, millers and consumers will appreciate the real *"Pearl"* Barley. Half pound, $1.25; pound, $2; five pounds, $9. Prepaid by mail or express.

An Improved Rye—"Paragon" "Paragon" Rye is a tall growing, heavy yielding variety with large, light colored grain. I have been making selections for some years, and while this is not the perfect white rye which I expect to produce, yet it is better, I think, than any other rye now grown. It will please you. One-half pound, 80c; pound, $1.40; five to ten pounds, $1.25 per pound. Prepaid by mail or express.

Flower Seed Department

Antirrhinum (Snapdragon) The new dwarf large flowering Snapdragons are becoming the popular flower both for the garden and for cutting. We offer this season a splendid strain in various brilliant colors. "Daphne"—soft blush pink; "Defiance"—orange red; "Golden Queen"—yellow; "Mont Blanc"—white; "Rose Queen"—rose color; "Amber Queen"—beautiful amber; "Rosy Morn"—pale rose, and many others.

All the above mixed, packet, 10c; three, 25c.

Agapanthus (Lily of the Nile) Until quite lately only a small blue Agapanthus was known. I now offer for the first time *seed* which grows very readily, of one of the most beautiful and permanent of all decorative plants.

A new gigantic pure white Agapanthus, bearing immense heads of snow-white flowers on strong stems, nearly four feet in height. The flowers last for months and have a most unusual decorative value. A distinct new florists' flower which will become popular everywhere. This is quite hardy throughout most of California and may be grown in tubs in the cold eastern states. Packet, 25c; ounce, $3.

Aquilegia—New Hybrids This favorite flower has lately been greatly improved in variety and combination of colors, including yellow, red, orange, rose, blue, purple, cerise, white, salmon and mauve. Graceful, hardy, and easily grown. Packet, 15c; three, 40c.

Amarantus Abyssinicus An enormous "Love Lies Bleeding." A tall, striking plant with drooping scarlet chenille-like tassels two to three feet long. Packet, 10c; three, 25c.

Argemone—New Large Flowering Hybrids Pale green spiny foliage with silvery veins. Satiny poppy-like flowers, three inches across. Deep yellow to creamy white. Blooms all Summer. Packet, 10c; three, 25c.

Bidens Dahloides A beautiful *new tuberous* type of *Cosmos-like* flowers, produced from the "Black Dahlia." The plants bloom abundantly the first season from seed and may be kept over and divided like Dahlias. These charming plants grow about eighteen inches in height, and produce, large, graceful, white, black, red, and pink flowers on long, slender, wiry stems all Summer. One of the best of all the absolutely new plants.

Packet, 20c; three, 50c.

Boltonia—New Dwarf Deep lavender aster colored flowers in greatest profusion. This fine variety originated on my grounds and is now offered. Packet, 25c.

A Flowering Bulrush The plants appear like the common bulrush, but each stalk bears a cluster of rosy crimson flowers very early in the Spring. Perennial; readily raised from seed. Packet, 15c.

Cactus Pitajaya A thorny club cactus which produces wonderful, fragrant, pure white flowers six inches across, and fruits as large as plums, with a white flesh of excellent quality. Will endure freezing down to about 10 degrees above zero. Easily raised from seed. Packet, 50c.

Shasta Daisy Too well known the world over to need description. Most carefully selected and best mixture ever offered of this most popular of all white flowers. Packet, 25c.

HYBRID SHASTA DAISY—ONE OF THE NUMEROUS OBTAINED FROM SEED.

ASHLAND, OHIO, Feb. 26, 1919.—Have had very good success with the seed purchased, especially with the Shasta Daisy. Have been growing this flower very nicely for a number of years, having each year planted new seeds, selecting the best stock. Last year I took to the greenhouse one dozen from one clump, the stems of which were twenty inches long and this kind in particular contained so many half-opened flowers more like large tuberoses, which the florist thought were unusual, which they certainly were. I gave him a start of this particular kind of daisy.
C. W. G.

The Shasta Daisy will produce four times as much bloom as any other variety, and when cut, this will remain in a fresh condition for fully a fortnight, which makes it a unique flower for decoration. Plants will bloom in six months from time the seed is shown, while the varieties of Maxima will only bloom the second year from seed. The Shasta Daisy will succeed in any soil, and is perfectly hardy, it is perennial, blooming better and more abundantly each season, and may be multiplied by simple division of the root.—*ROBERT HOLMES, F. R. H. S., Tuckswood Farms, Norwich, England.*

The Shasta Daisy is one of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists.—*JAMES VICK'S SONS, Rochester, New York.*

The Shasta Daisy is one of the striking creations of Luther Burbank, who has done more than ever man did before in originating new fruits, flowers and vegetables, a new flower of wonderful beauty.—*JAMES J. H. GREGORY, Marblehead, Mass.*

I have watched the development of the Shasta Daisy in Mr. Burbank's grounds for several years past, and pronounce it the best white flower for garden and house decoration which I have ever seen. It is worthy of all the praises bestowed upon it.—*CARL PURDY.*

The Shasta Daisy exhibits a grace and refinement lacking in other daisies belonging to this genus, * * * far superior to the common daisies, Paris daisies, Chrysanthemum Maximum and the white asters in grace and purity of color. It has met with a good demand at all times at prices which may be considered high as compared with those obtained from any other out-door Summer stock.—*Florist's Exchange.*

Digitalis Grandiflora—Foxglove Mixed. Tall, handsome biennials. Flowers crimson, rose and white. Packet, 10c.

Dimorpotheca—New Hybrids These most beautiful "African Daisies" are grown most easily anywhere; are hardy over most of California and, like our Eschscholtzia, bloom all Summer and more or less all Winter and early Spring. The colors are wonderful; pale and bright yellow, orange, salmon, rosy salmon, reddish yellow, cream, and white.
Packet, 15c; three, 30c.

California Poppies (Eschscholtzia) Most beautiful selection of large white, pink, crimson, yellow, and the new flame shades mixed. Packet, 10c; three, 25c; ounce, 40c; pound at special rate. Also the separate colors if desired.

FAIRHAVEN, MASS.—Everything from your seeds for the past five years has done well. The California Poppy bed is as fine as if it were in your State. It has been a blaze of color since June and is still in bloom. Many of the blossoms are three and one-half inches in diameter, with foot-long stems. The "Desert Sunset" Asters have been wonderfully lovely; such an exquisite shade. The colors of your gladioli have been marvelous. J. B. VAN N.

New Coreopsis Lanceolata Grandiflora Magnificent great yellow blooms on long stems. Packet, 20c; three, 50c.

Three Fine Everlasting Flowers

Great improvements are being made with these wonderful flowers. The brilliant new crimson and the soft, pleasing rose-pink and pale yellow shades and the pure white ones are making them indispensable for Summer as well as everlasting Winter bouquets and decorations. All are as easily raised as any other flower.

Helichrysum One of the very best of all the "everlastings." Beautiful double daisy-like flowers which make a fine display of color all Summer and for Winter decoration unsurpassed. Double, deepest crimson, rose, dark yellow, pink and lemon shades, also pure white. Give plenty of room. Height three feet. All colors mixed, packet, 10c; three, 25c.

COREOPSIS LANCEOLATA GRANDIFLORA.

Statice (Sea Lavender) Easily grown, fine, hardy perennial "everlastings"; yellow, blue and white. Pure yellow, packet, 10c; three, 25c. Blue, packet, 10c; three, 25c. Mixed colors, packet, 10c; three, 25c.

Gomphrena A first class "everlasting" and a fine bedding plant. The flowers resemble brilliant clover heads; crimson, rose and white mixed. Packet, 10c; three, 25c.

BURBANK'S HYBRID LARKSPUR.

Cosmos Well known graceful Autumn-blooming flowers.

Early Cosmos, mixed colors. Packet, 10c; three, 25c.

Giant Late Cosmos, mixed colors. Packet, 10c; three, 25c.

Canterbury Bell Beautiful, large, bell-shaped blossoms, mixed colors, blue, rose, and white.

Packet, 10c; three, 25c.

Delphinium Burbank's Hybrid Larkspur Well known by florists and seedsmen as the most beautiful of all strains of this beautiful perennial. The Burbank Delphiniums have received *first prizes always* wherever exhibited. Packet, 25c; three, 50c.

Larkspur Annual Stock Flowered Beautiful spikes of pink, rose, blue, and white. Exceedingly effective for beds, borders, or for cut flowers. Packet, 10c; three, 25c.

Calendula or Winter Marigold One of the finest hardy annuals, blooming all Summer, and in California and other mild climates nearly all Winter, when other flowers are scarce. Handsome double orange, yellow, creamy-white, and variegated. The Burbank Calendulas are widely used for decorations.

Large packet, 10c; three, 25c; ounce, 30c; pound, $1.

Dahlias

Dahlia seedlings from my seed take first prizes every season and several of the best known standard varieties have originated from it.

Dahlia Double Mixed

Per packet of 100 seeds, 15c; three, 40c.

Dahlia Large Single Mixed Per packet of 100 seeds, 10c; three, 25c; ounce, 60c.

Dianthus or "China Pink" Giant mixed. A well-known, most beautiful hardy annual. The petals of the "Giant" are ruffled, fringed and frilled, lending an unusual grace to the multi-colored blossoms of deep to glowing crimson, rose, salmon pink and white, mottled and blended in a variety of shades. Packet, 20c; three, 50c.

Celosia-Plumosa A specimen plant in pot or open ground is a vision of beauty. The most graceful, feathery, and beautiful of the celosias. Select type seed, various clear colors mixed. Packet, 15c; three, 40c.

Centaurea Imperialis Beautiful carnation-like annual. Mixed colors. Packet, 10c; three, 25c.

Coreopsis Golden Wave Rich golden yellow, brown center; very free flowering. Packet, 10c; three, 25c.

Dimorpotheca Aurata The South African "golden daisy" is an extremely showy, easily grown annual, in bloom all Summer and in mild climates all Winter. One foot high. Packet, 10c; three, 25c.

Geum—Mrs. Bradshaw This beautiful new perennial Geum produces a multitude of *double* orange-scarlet flowers two inches across throughout the season. Packet, 15c.

A New Godetia Our native Godetias are among the most prized of annuals. This new Chilian trailing Godetia is of a wholly new form and color—lavender blue. Blooms all the Spring and early Summer. Seed, per packet, 20c; three, 50c.

Cocoanut Geranium This new Geranium from West Australia in foliage much resembles the well-known fragrant Rose Geranium, but is low growing and compact, with unusually handsome crenate leaves. The whole plant has a most delicious, strong cocoanut fragrance. The best of its class and useful as single specimen or in borders. Packet, 20c; three, 50c.

Glaucium—New Hybrids Hairy poppy-like leaves and large saucer-shaped flowers of pale and deep yellow, followed by curious long slender pods. Hardy perennial. Packet, 10c.

Australian Gooseberry Gourd Very rapid-growing vine with fruits resembling gigantic gooseberries. Packet, 10c.

Hunnemannia The Mexican "Golden Cup" is a more brilliant golden yellow and grows more shrubby than our native; blooms all Summer, and the flowers, when cut, keep open and fresh for a week or more. Packet, 15c; two, 25c.

Lavatera Hybrids An annual Hollyhock-like plant bearing all Summer rosy crimson and white blossoms two inches across in profusion. Packet, 10c.

Lavatera Pure snow white. Packet, 15c.

A New Morning Glory—"Burbank's Giant Crimson" One of the largest and most beautiful and easily grown of all the morning glories. Packet, 10c; ounce, 30c; pound, $2. Special rates for larger lots.

Morning Glory *RED, WHITE AND BLUE MIXED.* Packet, 10c; three, 25c.

Nasturtium—Dwarf Well known plants with an abundance of flowers of many bright colors. Mixed. Packet, 10c.

1920 GLADIOLI—JUST A SAMPLE OF BURBANK IMPROVEMENTS.

Gladiolus Burbank's Newest Hybrids

One hundred thousand absolutely new varieties of about every form and color ever produced from this wonderfully variable plant, including scarlet, crimson, yellow, blue, purple, lavender, orange, salmon, and pink, with infinitely varied combinations of rainbow colors. Such a mass of various brilliant colors can not be produced at many times the cost of these in any other flower.

Every gladiolus bulb which I here offer originated on my grounds. For over forty years the Gladioli have been one of my specialties, and the foundation of some of the most popular strains originated with me decades ago. During the past few years wonderful new combinations of colors and shades never before seen in any flower except the tropical orchids have appeared in bewildering variety and abundance so that it is no longer possible to give them names, for the tender transparent orchid shades blend in endless poems of color. It seemed useless to try to introduce more Gladioli, as so many are growing them, but after my newest ones went out to the people two years ago, the demand was so great that every bulb and bulblet was called for and even the stocks which had been planted for the next season had to be dug to supply the astonishing demand.

When you plant Gladiolus *get the very newest and best* if you desire to see what can be accomplished by *forty years* rigid selection. Among these some really wonderful prizes will be drawn.

These *seeds* have and will produce many new prize varieties of all sizes, shapes, and colors; saved from fully 100,000 varieties. Packet of 100 seeds, $1; three, $2. *Bulbs,* each, 25c; six, $1; ten, $1.50; 100, $10.

Elora, the new giant white. Packet of 100 seeds, $2. No Elora bulbs left.

Cairo, Ill., July 19, 1919.—Three years ago I got a package of gladioli seed from you. All have bloomed this year and most of them were beauties; several, I think, better than "Elora." One is a crushed strawberry and cream pink with a spike of sixteen flowers, three of which were double, having twelve petals each to the other flowers' six. The flowers were set around the stem more than other kinds and looked like a large canna truss. C. B.

Buffalo, N. Y., Dec. 28, 1919.—The bulbs I purchased of you last year were a wonderful success and I assure you they were admired by those who saw them. E. C. S.

Vincennes, Ind.—It is an unusual experience for a grower to write the originator of a new variety of flower that the plants exceed his claims. Your new gladiolus "Elora" is now in bloom and is a beauty. You claim that it grows three and one-half feet tall and that the individual

flowers are four and one-half inches in diameter. My plant is four feet tall and the blooms measure five and one-fourth inches in diameter. This kind of a flower from a *bulblet* I regard as remarkable. All of your seeds have made a remarkable record for germination. From twenty-three tomato seeds planted, twenty-three plants came up. It is a novel experience to me to have plants and seeds do more than is claimed for them. You richly deserve your success. M. O.

BRUNSWICK, GA.—Please send me twenty-five thousand choice gladiolus seed. I regret that I did not order some of all your named gladioli. The "Elora" is one of the finest and most satisfactory gladioli that I have ever grown. The stalks are five to five and a half feet, with flowers up to five inches across, with six flowers open at once. The top flower on one stalk had twenty-four petals and was five inches across. That was some flower. C. S. T.

SALEM, ORE.—In the Spring of 1917 I purchased of you several hundred gladiolus seeds. These were planted in April, and in June, 1918, they began to bloom. Gladioli experts here say such a thing impossible. Many of these flowers were very fine and far excel any others produced in Salem or Portland, Oregon. J. H. F.

Perennial Pea The Burbank strain of hardy perennial peas raised here for a third of a century is not surpassed in abundance and size of flowers, length of stem, or variety of shades. A packet of seeds will supply flowers for a score of years. Packet, 15c; two, 25c.

NEW BEDFORD, CONN., May 13, 1918.—You are most generous, and we are grateful. Our garden is rich in plants from "Burbank" seeds of former years, a fence covered with your Perennial Peas being the envy of all beholders. Our New England garden is a California garden.
J. B. VAN N.

Sweet Peas "All Summer" Mixed A new strain produced by crossing the dwarf greenhouse varieties with the Spencer type. Blooms very early and late. Packet, 10c; ounce, 15c; pound, $1.

Hardy Purple Pea Very much like the sweet pea but not fragrant. Large rose purple flowers. Blooms here all Winter.

Packet, 10c; ounce, 25c; pound, $2.50.

Burbank Shirley Poppies

This beautiful strain has been carefully selected each season for more than twenty years and is the foundation for many of the strains offered by other seedsmen. 1918 selection, packet, 10c; three, 25c; ounce, $1.

Shirley Art Poppies Burbank's latest production; wonderful combination shades of salmon, soft rose pink and white semi-transparent crepe-like flowers. The most elegant and beautiful of the whole world's poppies. Packet, 20c; three, 50c.

Giant Shirley Poppy Crimson shades. A cross of the Shirley and Tulip poppies. Many of these enormous fiery flowers are seven or eight inches across; a blaze of colors. Packet, 20c; three, 50c.

SHIRLEY POPPIES

A New Poppy—Orange Cream The Eschscholtzia Californica is almost always called "The California Poppy"; it is not a true poppy. The *real* California poppy is an exceedingly rare plant growing in only two places in the world, and is not even mentioned in Cyclopedias and Botanies. Years ago I began its improvement and now offer seeds of the *Orange-cream Poppy,* one of the most beautiful of all. Annual, fifteen inches high, flowers on long slender stems of a color rarely seen in any flower.

Packet, 20c; three, 50c.

Poppy—Admiral New, beautiful selections of various pleasing colors. Packet, 10c.

OENOTHERA "AMERICA."
SINGLE BLOOMS NEARLY AS LARGE AS AN ORDINARY POCKET HANDKERCHIEF.

Oenothera "America" (Evening Primrose) My gigantic Evening Primrose of snowy white has given universal satisfaction wherever grown. The blossoms are nearly or quite eighteen inches in circumference, a single petal covering a whole flower of other kinds. Packet, 15c; two, 25c.

Oenothera Rosea The dwarf Mexican evening primrose produces a profusion of satiny, rose-colored poppy-like flowers all summer. Of easiest culture in any sunny location. Packet, 10c; three, 25c.

THE NEW "BLUE" PETUNIA.
—Photo by Herbert Gleason, Boston.

The Blue Petunia *This new color* in petunias is a very pleasing one never before obtained. The seed now offered comes "true blue." A very beautiful petunia. Packet, 15c.

Petunia—Rosy Morn soft carmine-pink with white throat; makes a very dainty and effective border. Packet, 15c.

No flower stands drought, poor soil and even neglect better than the Petunias.

Whitlavia Grandiflora A beautiful, easily grown native flower, bearing great numbers of violet-blue flowers all summer. Packet, 10c; three, 25c.

Platycodon New Double White Hardy perennial never before offered; very choice clematis formed double snow white flowers. Plants, dwarf, eighteen inches to two feet. Packet, 25c; three, 50c.

Platycodon New single and double blue and white mixed. Packet, 10c; three, 25c.

The New Red Sunflower You will be surprised with the beauty of this new and highly selected strain. Packet, 10c; three, 25c.

THE NEW SWEET SCABIOUS.

Sweet Scabious To those who have not grown the *new* Scabious, the soft lavender, blue, pink and white shades will be a surprise and delight. Easily grown annual; especially fine for cutting. Packet, 10c; three, 25c.

Burbank's "Mayflower" Verbena By both European and American growers known as the best selected and most fragrant strain. Extremely large flowers in wonderful bright shades of pink, scarlet, rose, blue, lavender, crimson, purple and white. Packet, 20c; three, 50c.

Verbena—Pure Scarlet One of the most brilliant and striking plants for all Summer blooming for borders and general effectiveness in color. Packet, 15; three, 35c.

Verbena Pure white, very large flower, often quite fragrant. Packet, 15c; three, 35c.

New Hybridized Sunflowers Seeds of all sizes and colors; giant and dwarf flowers, single and double. Clear red, yellow, orange, primrose and variegated flowers. Most unique and remarkably interesting varieties in great profusion are produced from this seed.

Packet, 15c; ounce, 50c.

Sunflower (California) Double, pure yellow. Packet, 10c; three, 25c.

GIANT DAHLIA FLOWERING ZINNIAS.

NEW ORLEANS, LA., Dec. 14, 1918.—The inclosed kodaks show an unusually large sunflower (for this locality) grown from seed purchased from you last Spring. The tree was about twelve feet or more. The center part of the flower was from thirteen to fourteen inches in diameter, and with the petals extended made the width between point of petals about nineteen inches. The color was a beautiful orange yellow with the browner center. A. R. C., M.D.

Giant Dahlia Zinnias

Burbank 1919 selection. New, enormous solid double flowers, just like dahlias, of various greatly improved colors all Summer. Packet, 10c; three, 25c; ounce, 60c.

The Burbank Dwarf Zinnias

New. Most charming brilliant red and yellow shades of most perfect doubles. Flowers in utmost profusion all Summer. Packet, 10c; three, 25c; ounce, 75c.

SACRAMENTO, CAL.—I took great pride in a lot of your seeds last year. The flowers are lovely and I want more this year. T. D. H.

Bulb Seeds

Asclepias Incarnata Hardy Butterfly plant; free flowering perennial. Packet, 10c; ounce, 60c.

Brodiæ Capitata Alba A snow-white flowering brodiæ. Flowers on long wiry stems. These remain in best condition when cut for a *month or so*. Very useful for florists. Bulbs edible. Packet, 20c.

Brodiæ Mixed Best species and varieties. Blue, rosy crimson and white. Packet, 20c.

Camassia Hybrids Often called Indian Potato. These beautiful hybrids, all of which originated on my farms, bear the largest and brightest colors known in this genus, on short compact stems. In these you have the best in the whole Camassia world. Packet, 25c.

Isemene Calathina This unique bulbous Amaryllis-like plant produces an abundance of large transparent white flowers. Easily grown from the large black seeds. Packet, 20c.

Tigridia—Chilian Dwarf The dwarf tigridia is readily raised from seed. The pale blue flowers are borne on stalks six inches in height from small slender bulbs. Packet, 20c.

Watsonia—Burbank Hybrids New Hybrid Watsonias are growing on my farms by the acre. More new and extremely beautiful varieties than on all the rest of the globe. Giant white, single and double, tall and dwarf, yellow, orange, pink, rose, crimson, purple, salmon and scarlet; a veritable transformation from an ordinary flower to one equal to the modern gladioli. Packet, 50c; three, $1.

Watsonia—Royal White Twice as large flowers, produced four times as abundantly as the older kinds. Varies to salmon pink and rose also, from seed. Packet, $1.

SPARAXIS IN BLOOM.

Sparaxis Pulcherrhima (Dierama) Slender iris-like foliage and very graceful long, slender, drooping stems with rose colored flowers like giant ixias. Hardy where the ground does not freeze over two inches deep. Packet, 15c; ounce, 25c.

Tree and Shrub Seeds

New Chilian Abutilon One of the most magnificent of all blooming large shrubs or small trees. Saucer-shaped flowers in astounding profusion nearly three inches across, on long slender stems. Far hardier than any other Abutilon or "Flowering Maple." Seed from select pure white ones, and seed from select porcelain blue ones. Packet, 25c; ounce, $1.

Genista Florabunda (New remontant) Shrub bearing all Summer beautiful golden pea-like blossoms in greatest profusion. This greatly improved Genista will be a great prize for florists for cut flowers and as an ornamental shrub can hardly be surpassed. Seeds rare. Packet, 15c; ounce, 50c.

Hardy Perennial Hibiscus New California hybrids; enormous flowers of most beautiful shades of crimson, pink, yellow and white. Packet, 25c.

Cytisus—Chilian Golden Most wonderful blooming shrub. A mass of brightest yellow flowers like sweet peas, but more fragrant. Packet, 15c; ounce, 50c.

New Cytisus Hybrids Rare shrubs producing an abundance of orange, crimson and yellow variegated blooms of unusually large size and mostly fragrant. Packet, 15c; ounce, 40c; pound, $3.

Dracœna Indivisa The Dracœna (Dragon Tree) so freely used in the streets and parks of California. Grows to about 12 feet in height, then branching into a symmetrical tree. The foliage is the best tying material so far found for shrubs, vines, berry plants, etc., far better than hemp rope. Sooner or later this Dracœna will be grown by the acre for its fibre, which requires no preparation except to moisten the leaves and split into widths, appropriate for use. Seed, per packet, 10c; three, 25c.

Hypericum Moserianum A most graceful perennial plant; wonderfully free blooming. Flowers rich golden yellow, two inches across. Blooms throughout the whole Summer. Height two feet. Packet, 20c; three, 50c; ounce, $1.50.

Quillae—Chilian Soap Tree A handsome, symmetrical evergreen tree bearing most unique blossoms and seed pods. The bark is the well known "Soap Bark" of commerce. Packet, 15c; ounce, 75c.

Poinciana Regia (Royal Peacock Flower—"Pride of Hawaii")

This magnificent brilliant scarlet flowering shrub from Madagascar has unexpectedly proved itself to be hardy at Santa Rosa. Packet, 25c.

Do Not Fail to Read Pages 27, 28, 29, 30, 31, and 32 Regarding the NEW BOOKS

The Training of the Human Plant

By LUTHER BURBANK

Dedicated to the Twenty Million Public School Children of America and to the Untold Millions Under Other Skies

A book, primarily, for every parent and every teacher, but, also,

A book to be read by every thinking man and woman.

It is a prophecy of the finest race the world has ever known.

It is a startling presentation of the possibilities of the ideal in character.

It is a plea for an heredity, environment, and training which shall realize here and now the ideal.

LUTHER BURBANK CLAIMS:

By placing ourselves in harmony and co-operation with the main high potential lines of human progress and welfare we receive the benefit of strong magnetic induction currents.

We are now standing upon the threshold of new methods and new discoveries which shall give us imperial dominion.

"Did you ever think what is the most pliable and the most precious product of all the ages? It is not pigs, mules, books or locomotives, cotton or corn—but children. Children can not all be treated alike; each has his or her special individuality, which is the most valuable of all endowments. If all were alike no progress could be made, and right here comes the weakest point in the present educational systems."

"Luther Burbank is unquestionably the greatest student of life and philosophy of living things, in America if not in the world."—*S. H. Comings, Corresponding Secretary American League of Industrial Education.*

"I know of no work and of no literature which confirms my interpretation of true heredity as do yours."—*E. R. Moras, M. D. (author), Chicago, Ill.*

"Luther Burbank turns out more new fruits than words, which isn't altogether a bad thing to do for a man whose work and joy it is to do precisely that. And so no wonder he has written a little book overflowing with love for children, with earnest hopes and advice and almost passionate impatience—if so sweet-tempered and quiet a man as Burbank can be passionately impatient—concerning their upbringing."—*"Independent," New York City.*

"The immediate book that is unconsciously imbued with the best Fourth of July spirit, and which touches the nerve of true patriotism at its roots, is Luther Burbank's 'The Training of the Human Plant.' Mr. Burbank's clear and simple work, however, is but another evidence that they who creep closest to the heart of Nature return in theory and practice to a recognition of the all-governing, divine and universal law."—*Baltimore "News."*

"It must yet make the average reader pause and wonder, if, after all, this man who lives on such intimate terms with Nature, isn't better able to describe her processes and their results in regard to the human race than the man who merely contemplates her from the safe distance of a book-lined study."—*"States," New Orleans.*

"A banquet was recently given to Luther Burbank, the wizard of new fruits and flowers, by the California State Board of Trade, and the guest of honor surprised and deeply interested the large company present by devoting most of his address to coming biological improvements in the race of Americans."—*"The Dalles," Portland, Oregon.*

"His new 'The Training of the Human Plant,' is the fruit of years of study, of experimenting, of observation, and of earnest aspiring thought and work. It is not a sensational book, but it is so suggestive and inspiring that it should prove an epoch-making little volume."—*"Post," Houston, Texas.*

SALINAS, KANS., March 17, 1919.—"The Training of the Human Plant" is the finest piece of literary work and the most distinctly unique of anything that I ever read. It offers a world of thought and food for the mind. I expect to present two more copies to schools—little folks will enjoy them as well as well as profit by the reading. C. J. W.

"The analogy is fascinating, as he presents it in his article on the 'Training of the Human Plant.' Our parent Anglo-Saxon stock, itself a successful mixture of

Briton, Roman, Saxon, Dane and Norman-French, when transplanted to America met even in Colonial days the Dutch, the French and the Swede."—*"Journal," Minneapolis, Minn.*

"Luther Burbank, who knows more about plant life than anyone in the world, has written an essay on the training of the human plant, which it is a rare privilege to read. It contains information and ideas which no American can afford to be without—ideas which bring with them an inspiration and an aspiration. The book will make its most direct appeal to parents and teachers, but every boy and girl, every man and woman will find in it a message for himself."—*"Housekeeper."*

He demands for the child of the race—most sensitive of living things—first and foremost an heredity and environment of love; differentiation in training, sunshine, good air, and nourishing food. He condemns the marriage of the physically unfit, and discusses at length heredity, predestination, training, growth, environment, and character. The fundamental principles of education, Mr. Burbank declares, should be the subject of earnest scientific investigation including *all* the causes which tend *TO PRODUCE MEN AND WOMEN WITH SANE, WELL-BALANCED CHARACTERS.*

The great value which the world will derive from what Luther Burbank has done—the big, permanent, ever-increasing value of overwhelming importance—will lie in the application of the Burbank methods to the improvement of the human plant—to the production of better races, better nations, better communities, better families, better individuals.

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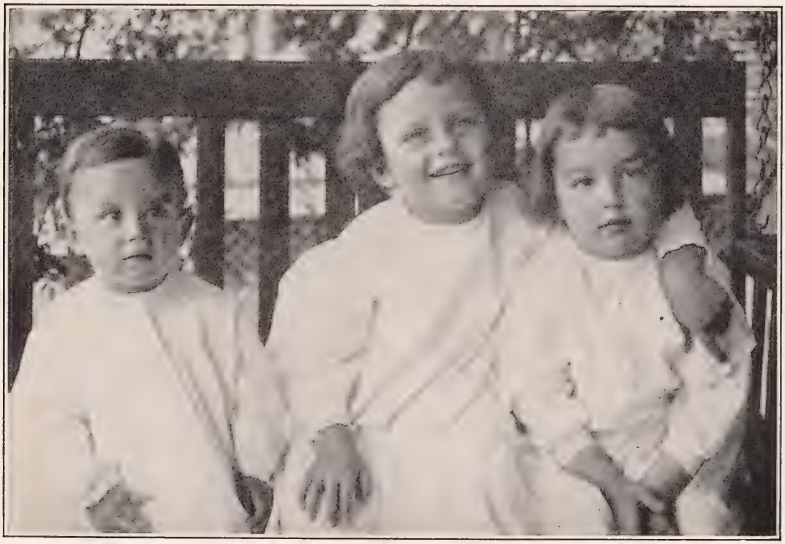

These and twenty million other little folks thrive on Burbank fruits, nuts, vegetables and flowers.

LUTHER BURBANK

HIS METHODS AND DISCOVERIES—THEIR PRACTICAL APPLICATION

Introduction by the Publishers

Of the 1260 full page direct color photograph prints, and the twelve volumes of text matter which enter into the make-up of the complete exposition of Luther Burbank's methods, it is possible to give but the barest glimpse in a synopsis, such as this. The process of color photography used in making the originals for the illustrations was perfected on Mr. Burbank's own grounds. Every third page is a direct color illustration—more than one hundred to each volume—the twelve volumes representing an unusually entertaining collection of rare subjects in all their natural colors. The text matter—of equal importance to human and plant betterment—represents ten years of compilation and editorial work. The one hundred and five chapter heads, even with their sub-captions, can hardly convey any idea of the unexpected mines of practical knowledge and of the new viewpoints of familiar truths, all of which are more impressive because of their unexpectedness.

This edition is illustrated with 1260 direct-color photograph prints made by a new process—devised and perfected for the exclusive purpose of illustrating Mr. Burbank's writings, in a photo-chemical laboratory established on his experiment farm—which, for the first time in the history of book illustration, enables the reader to see the exact thing which the author sees and describes.

It is costing nearly two hundred million dollars a year to maintain agricultural institutions—two hundred million dollars spent each year to teach better methods of soil culture.

Yet, in spite of this expenditure year after year, the average acre-yield has been increased by a bare fraction over 3 per cent.

If those who depend upon the soil for their livelihood knew what Luther Burbank knows—if his simple methods and discoveries were placed within their reach—the acre-yield would increase not by per cents and fractions of per cents, but by doubles and trebles—without *any* expenditure of public funds.

In electricity there are four big names; in mechanical invention a score; a hundred have been designated the Captains of Industry; and the roll of those who are prominent in educational and scientific research would run into the thousands.

In plant improvement, however—a more basic field than the rest, because everything depends upon what we grow from the soil—there is but one big name towering above the others—LUTHER BURBANK.

And now, after fifty years of labor and more than one hundred thousand plant improvements wrought, Luther Burbank has written into convenient book form—profusely illustrated by a new process of natural color photography—all that he has learned, told it so simply that none can fail to understand; made it so clear that all may apply and profit.

The same methods which Luther Burbank employed in the production of the beautiful Burbank rose, have been and can be applied to the improvement of any plant that grows; and more, to the definite improvement of the human plant itself. Towering above the ten thousand practical lessons in plant transformation which Luther Burbank teaches, there is One Big Lesson—the working understanding of the power of *new environment* to bring out the best of *old heredity*—in human beings, as well as in plants—a lesson which has never before been portrayed with such crystal clearness as that with which Luther Burbank portrays it in his writings.

All that Luther Burbank has ever done has been done through the control and manipulation of those two great forces in life, plant and human, HEREDITY AND ENVIRONMENT.

And just as Mr. Burbank, going among his plants, is able to bring out the desirable and subdue or eliminate the undesirable, so, too, may we, through an understanding of the laws of heredity and the operation of environment, mold the minds and the careers of our children almost at will.

To such advantage has the combination of skillful text and color illustration been employed, that what might have been one hundred volumes—the complete survey of one of the busiest lifetimes the world has ever known—is placed before you now in twelve.

The great value which the world will derive from what Luther Burbank has done—the big, permanent, ever-increasing value of overwhelming importance—will lie in the application of the Burbank methods to the improvement of the human plant—to the production of better races, better nations, better communities, better families, better individuals.

SOME SENTENCE EXPRESSIONS OF OPINION

The supreme test of a book is not what its author thinks of it—not what its publisher thinks of it; the supreme test is what the actual reader, himself, thinks of it—the reader, who, having paid his money, must judge the result of his purchase purely by the satisfaction it has produced. It is impossible, here, to give more than a bare suggestion of what the readers of the Burbank Books have said, since the number of expressions of opinion runs well into the thousands. The sentence excerpts reproduced on the following pages, however, will be found to have come from workers in practically every line of the world's activity—and they may be taken as a true average of the impression which these books have created in the minds of their purchasers.

"The chapters of Luther Burbank's written work are more fascinating than any possible romance. The reader feels the heart throbs of the plant in the scorching desert—he is moved by the pathos of a life struggle."—*B. M. DES JARDINS, Inventor-Author, Washington, D. C.*

"Since reading Darwin I have found nothing that has so impressed me as does this work."—*GEO. N. BAUER, The University of Minnesota, Minneapolis, Minn.*

"Luther Burbank is the greatest breeder of plants the world has ever known. The magnitude of his work excels everything that was ever done before."—*DR. HUGO DE VRIES, University of Amsterdam.*

"Burbank, like Columbus, has shown us the way to new continents, new forms of life, new sources of wealth, and we, following in his footsteps, will profit by and from his genius."—*GEO. C. PARDEE, Ex-Governor of California.*

"I wish to say that during my business experience of more than fifty years I have never to my knowledge invested any money that has given me the same value and satisfaction and pleasure as the investment in the Burbank volumes."—*F. H. BULTMAN, Pres. The F. H. Bultman Co., Cleveland, O.*

"The treatment of the subject-matter is at once original and profound, and yet it is expressed in terms as simple and perspicuous as to be easily understood by even such an unscientific layman as myself. Withal the books are as interesting as fiction, and a thousandfold more profitable to the eager reader."—*J. M. STUDEBAKER, The Studebaker Corporation, South Bend, Ind.*

"The work is greater than the 'Origin of Species' by Charles Darwin; greater than 'The Mutation of Species' by Hugo de Vries, and much greater than 'The Riddle of the Universe' by Ernest Haeckel."—*EDGAR LUCIEN LARKIN, Director, The Lowe Observatory, Mount Lowe, Calif.*

"It is to me a fairy tale which I wish had been told me in my youth."—*ELIHU VEDDER, Artist, Rome, Italy.*

"These books are not only unique but are a very fine example of the bookmaking art. They are a delight to the eye and are gotten up in such style as is befitting their contents. This set of books will become one of my most cherished possessions."—*J. W. McCLURE, Secy.-Treas. Bellgrade Lumber Co., Memphis, Tenn.*

"No tale or story has ever fascinated me to such an extent as a perusal of these books. I have been so occupied with public matters that the books lay untouched for several days. When I opened them, however, I did not lay them down until I had read with intense interest every word."—*ROBERT COWELL, Merchant, Omaha, Neb.*

"Mr. Burbank's operations have been conducted on so gigantic a scale that, for breadth of view, he has the same advantage over other experimenters that one standing on the summit of a dominating mountain possesses over those who have climbed only to the top of a foothill."—*GARRETT P. SERVISS, in Cosmopolitan Magazine.*

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